

Abstract of the Disclosure

An in-line bell pipe is provided, formed by joining at least two corrugated sections of pipe having male and female portions to connect the corrugated sections. Each corrugated section has a plurality of first corrugations, each having a crest and a valley with the distance between the crest and valley of the first corrugations being a first distance. The male portion of each corrugated section has at least one second and one third corrugation, each second and third corrugation respectively having a distance between the crest and valley of each being a second and third distance respectively. At least one third corrugation crest has a recessed area which accomodates a sealing element retained between the recessed area and the female portion. The second and third distances each are less than the first distance. The female portion telescopically receives at least one third corrugation and at least a portion of a second corrugation. The female portion has a reinforcing means on a segment of the exterior surface of the female portion, with the reinforcing means comprised of a selection from a group comprising tape, an adhesive layer, and a suitable coating, such as plastic, and a selection from a group comprising fiberglas, metal, carbon fibers, and plastic fibers.